We Claim:

1. A compensated oscillator circuit, comprising:

a supply potential connection;

a resonant circuit;

at least two attenuation compensation amplifiers coupled switchably to said resonant circuit to compensate for attenuation;

switches, in each case one of said switches being coupled with in each case one of said attenuation compensation amplifiers for forming switchable current paths between said resonant circuit and said supply potential connection; and

currents sources connected to and feeding said attenuation compensation amplifiers, one of said current sources disposed in each of said switchable current paths.

2. The oscillator circuit according to claim 1, further comprising a drive circuit, and said switches each has a control connection connected to said drive circuit.

3. The oscillator circuit according to claim 2, further comprising an amplitude value detector for forming a control

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loop, said amplitude value detection having an input connected to said resonant circuit and an output connected to said drive circuit.

4. The oscillator circuit according to claim 1, wherein said switchable current paths with said attenuation compensation amplifiers are connected in parallel with one another to said resonant circuit.

5. The oscillator circuit according to claim 1, wherein said attenuation compensation amplifiers each have two cross-coupled transistors.

6. The oscillator circuit according to claim 5, wherein said transistors in said attenuation compensation amplifiers are field-effect transistors having an equivalent channel width to channel length ratio that in pairs, with the channel width to channel length ratio of said attenuation compensation amplifiers being graduated in binary steps with respect to one another.

7. The oscillator circuit according to claim 1, wherein said switches are digitally driven transistor switches.

8. The oscillator circuit according to claim 1, wherein said resonant circuit has a control input for controlling a resonant frequency using a control voltage.